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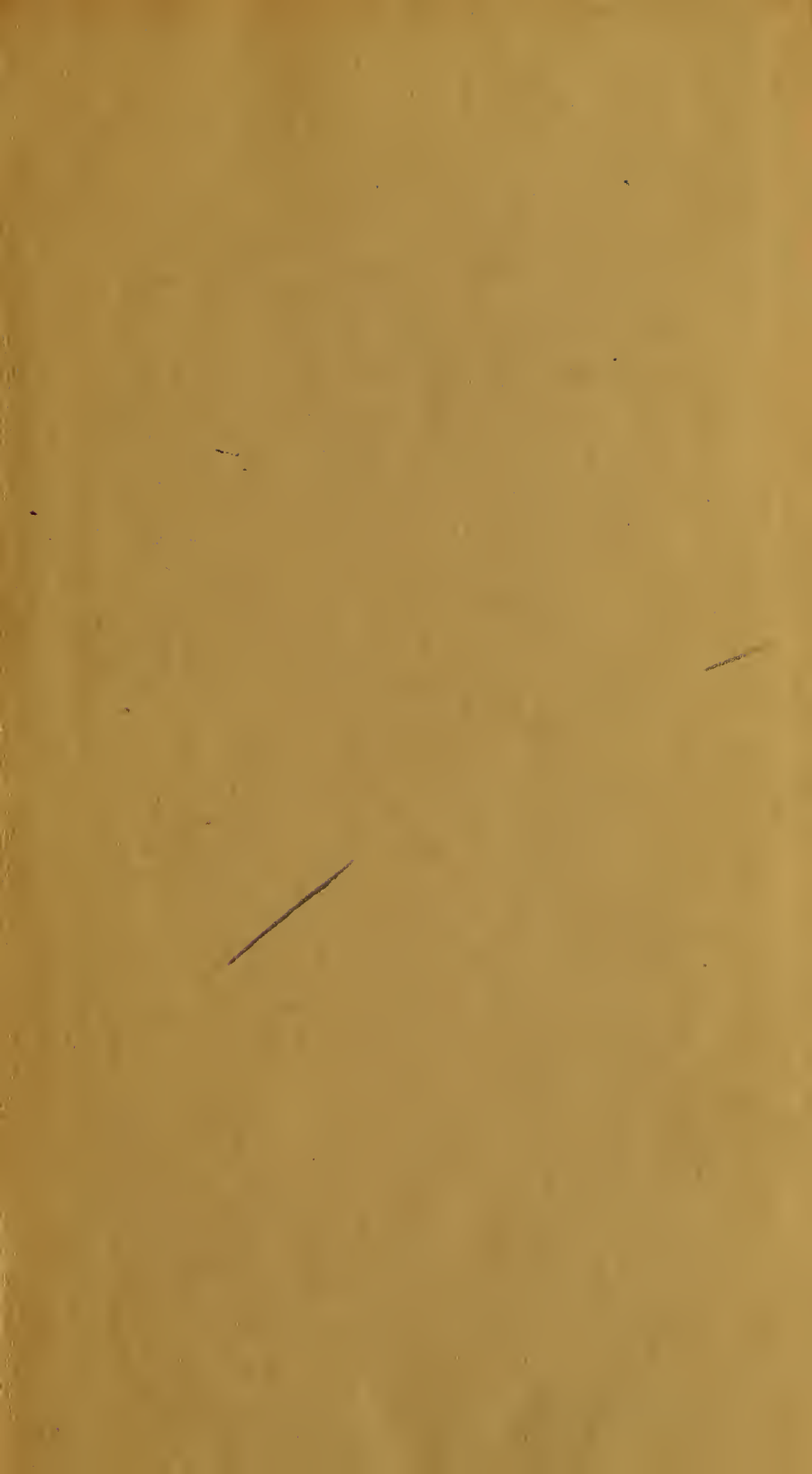
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1909-19





ANNUAL REPORT

OF THE

FIRE DEPARTMENT

FOR THE

YEAR ENDING JANUARY 31, 1910



CITY OF BOSTON
PRINTING DEPARTMENT
1910



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ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE YEAR 1909-10.

BOSTON, April 12, 1910.

HON. JOHN F. FITZGERALD,
Mayor of the City of Boston:

SIR,— In accordance with the Revised Ordinances I respectfully submit the annual report of the Fire Department from February 1, 1909, to February 1, 1910.

During the year the department responded to 3,831 alarms.

The most important changes during the year were as follows: All the call men, twenty-seven in number, were replaced by permanent men. A second fireboat was put in service, and a marine district was established which includes the entire water front. The thirteen districts were divided into two divisions, and a deputy chief placed in command of each division.

An automobile chemical engine has been purchased, and will be placed in the new engine house at Forest Hills, which is nearing completion. Land has been purchased at the corner of Callender and Lyons streets for an engine house, to take the place of the temporary quarters of Chemical 11, which are entirely inadequate.

Plans and specifications have been prepared for a third fireboat, which will be built as soon as the necessary funds are available.

A test of all the hose was made, and the small amount of hose which burst during the year has proved the advisability of this yearly test. Nine of the hose wagons have been equipped with a Morse Invincible Monitor nozzle, which has rendered excellent service. Additional wagons will be equipped as soon as possible.

A modern card system has replaced the assignment book.

The position of supervisor of engines and superintendent of the repair shop have been combined with very satisfactory results.

Many of the houses in the department are old and inadequate and, when possible, should be remodeled. Shower baths have been placed in various houses, a necessary feature for the health and comfort of the men.

I again recommend the installation of a high pressure service for the congested district.

By the increase of the actual fire-fighting force, the improvement in equipment and apparatus, and the close attention to duty of both officers and men, the efficiency of the department has increased during the year.

ORGANIZATION.

Commissioner, SAMUEL D. PARKER; term expires May, 1910.

Chief Clerk, BENJAMIN F. UNDERHILL.

Chief of Department, JOHN A. MULLEN.

Deputy Chief, JOHN GRADY, First Division.

Junior Deputy Chief, PETER F. McDONOUGH, Second Division.

Superintendent of Fire Alarms, BROWN S. FLANDERS.

Assistant Superintendent of Fire Alarms, CYRUS A. GEORGE.

Superintendent of Repair Shop and Supervisor of Engines,
EUGENE M. BYINGTON.

Veterinary Surgeon, GEORGE W. STIMPSON.

Medical Examiner, RUFUS W. SPRAGUE.

Clerks.

George F. Murphy, Daniel J. Quinn, James P. Maloney,
Edward L. Tierney.

District Chiefs.

District.	Headquarters.
1. John W. Godbold	Ladder House 2.
2. Charles H. W. Pope	" 9.
3. Joseph M. Garrity	" 18.
4. Henry A. Fox	Engine House 4.
5. Daniel F. Sennott	" 26-35.
6. Edwin A. Perkins	" 1.
7. John T. Byron	" 22.
8. Stephen J. Ryder	Ladder House 12.
9. Michael J. Kennedy	Engine House 12.
10. John O. Taber	" 18.
11. John F. Ryan	" 41.
12. Michael J. Mulligan	" 28.
Marine, Robert A. Ritchie	" 47.

Our Roll of Merit contains the names of:

Nathan L. Hussey	Engine 23.
Edward H. Sawyer (2)	Ladder 4.
James F. Bailey	" 17.
Eugene Rogers	" 1.
Peter Callahan	Engine 4.
Joseph A. Kelley	Chemical 1.
Timothy J. Heffron	Engine 4.
James E. Downey	" 6.
Frederick F. Leary	Ladder 12.

Florence Donoghue	Combination 8.
James J. O'Connor	Engine 7.
James F. McMahon	Combination 8.
Martin A. Kenealy	Engine 7.
Denis Driscoll	" 7.
William H. Magner	Ladder 8.
Thomas J. Muldoon	Chemical 8.
Dennis McGee	Combination 5.
Joseph P. Hanton	Ladder 17.
Michael J. Teehan	" 17.
Charles W. Conway	" 13.
Michael J. Dacey	" 13.
Patrick E. Keyes	District Chief.

Force and Pay Roll February 1, 1910.

Commissioner	\$5,000	per annum.
Chief clerk	2,500	"
Chief of department	4,000	"
Deputy chief	2,400	"
Junior deputy chief	2,200	"
Superintendent of fire alarms	3,200	"
Assistant superintendent of fire alarms, ...	2,000	"
Superintendent of repair shop and sup- ervisor of engines	2,500	"
Veterinary surgeon	2,000	"
Assistant veterinary surgeon	1,400	"
Medical examiner	1,300	"
Master carpenter	1,300	"
Master painter	1,300	"
Bookkeeper	1,650	"
2 Clerks	1,400	"
2 Clerks	1,000	"
1 Clerk	900	"
1 Clerk	700	"
13 District chiefs	2,000	"
55 Captains	1,600	"
80 Lieutenants	1,400	"
1 Lieutenant, aid to chief	1,400	"
1 Lieutenant, foreman of hose and harness shop	1,400	"
2 Engineers	1,400	"
46 Engineers	1,300	"
46 Assistant engineers	1,200	"
2 Assistant engineers	1,100	"
628 Privates:		
435	1,200	"
56	1,100	"
48	1,000	"
40	900	"
49	720	"

FIRE DEPARTMENT.

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4 Chiefs' drivers	\$1 75 per day.
3 Chiefs' drivers	2 00 "
2 Chiefs' drivers	2 25 "
1 Horseshoer	3 00 "
3 Hostlers (average)	2 25 "
1 Shipkeeper	2 00 "

Fire-Alarm Force.

1 Chief operator	\$2,000 per annum.
6 Operators	1,600 "
2 Assistant operators	1,200 "
1 Foreman of construction	2,000 "
1 Machinist	4 25 per day.
1 Machinist	4 00 "
20 Telegraphers and linemen (average),	3 06 "

Repair Shop Employees.

1 Master plumber	\$1,300 per annum.
1 Engineer	3 25 per day.
4 Firemen	2 50 "
1 Painter	3 75 "
3 Painters	3 50 "
2 Painters	3 16 "
2 Wheelwrights	3 25 "
6 Machinists	3 25 "
3 Blacksmiths	3 50 "
1 Blacksmith	3 25 "
4 Blacksmiths' helpers	2 50 "
2 Plumbers	4 40 "
3 Carpenters	3 50 "
1 Hose and harness repairer	3 25 "
1 Hose and harness repairer	2 25 "
1 Laborer	2 50 "
3 Laborers	2 25 "
1 Steam fitter	4 00 "

980 total force.

FIRE DISTRICTS.

The city is divided into thirteen fire districts as follows:

District 1.

All that part of Boston known as East Boston.

District 2.

All that part of Boston known as Charlestown.

District 3.

The territory bounded on the north by State street, on the east by the water front to B street, on the south-east by B street, on the south by West First street, across Dorchester avenue and Cove Street Bridge to Atlantic avenue, and on the west by Atlantic avenue, Dewey square, Summer street, Church Green and Devonshire street.

District 4.

The territory bounded on the north and east by the water front, on the south by State, Devonshire, Water, Washington, School and Beacon streets, and on the west by Charles and Pinckney streets and the Charles river.

District 5.

The territory bounded on the north by Water, Washington, School, Beacon, Charles and Pinckney streets, on the west by the Charles river, Otter, Beacon, Arlington, Boylston (Short), Church and Providence streets, Park square, Columbus avenue, Church and Tremont streets, on the south by Pleasant street and Broadway extension to bridge across Fort Point channel to Dorchester avenue, and on the east by a line from Dorchester avenue across Cove Street Bridge, Atlantic avenue, Dewey square, Summer street, Church Green and Devonshire street.

District 6.

The territory bounded on the north by Broadway extension across Fort Point channel, and Dorchester avenue to First street, through First street to B street, on the west by B street to harbor line, by harbor line to Locust street, on the south by Locust and Dorset streets to the South bay, and on the west by South bay to Broadway Extension Bridge.

District 7.

The territory bounded on the west by the Charles river, on the north by Otter, Beacon, Arlington Boylston (Short), Church and Providence streets, Park square, Columbus avenue, Church, Tremont and Pleasant streets and Broadway extension to bridge, on the east by Fort Point channel and South bay, and on the south by Massachusetts avenue and the Charles river.

District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins street, South Huntington avenue and Castleton street, across Jamaica way to the Brookline line, and on the west by the Brookline line to Cottage Farm Bridge.

District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east by Dorchester bay, on the south by Hoyt, Hancock, Bowdoin and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

District 10.

The territory bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock and Hoyt streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

District 11.

All that part of Boston known as Brighton, and extending east as far as Cottage Farm Bridge.

District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaica way to Castleton street, through Castleton street, South Huntington avenue and Perkins street, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, and on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries the center of the street will be the dividing line.

MARINE DISTRICT.

All buildings or other property, including wharfs, bridges, etc., bordering on the water front, beginning at a point on the northerly side of the reserved channel at L Street Bridge, South Boston, thence westerly along the harbor line of South Boston to Fort Point channel; thence southerly to Dorchester Avenue Bridge; thence northerly by the way of Fort Point channel; thence along and around the city proper harbor line to the Charlestown Bridge; thence northerly along the water front around the Charlestown district to Mystic river; thence westerly along the Mystic river (south side) to Malden Bridge, or Alford street. Also, beginning at Jeffries Point at the head of Marginal street, thence northerly and westerly along the East Boston water front to Chelsea creek; thence easterly along said creek (south side) to the Grand Junction Railroad Bridge, and to include all property on the islands in Boston harbor.

NOTE.—The lines of Districts 1, 2, 3, 4, 5 and 6 are affected by the Marine District.

ASSIGNMENT OF DISTRICTS.

Each district is placed under the charge of a district chief, as follows:

District.	Chief in Command.	COMPANIES IN DISTRICTS.			
		Engines.	Chemical Engines.	Ladders.	Water Towers.
1.	John W. Godbold.	5, 9, 11, 40	7	*2, 21	
2.	C. H. W. Pope.	27, 32, 36	3, 9	*9, 22	
3.	Joseph M. Garrity.	25, 38, 39	.....	8, 14, *18	3
4.	Henry A. Fox.	*4, 6, 8	1	1, 24	1
5.	Daniel F. Sennott.	7, 10, *26, 35	2	17	
6.	Edwin A. Perkins.	*1, 2, 15, 43	8	5, 19, 20	
7.	John T. Byron.	3, *22, 33	4	3, 13, 15	2
8.	Stephen J. Ryder.	13, 14, 37	12	*12, 26	
9.	Michael J. Kennedy.	*12, 21, 23, 24	10	4, 23	
10.	John O. Taber.	16, 17 *18, 19, 20, 46	11	6, 7, 27	
11.	John F. Ryan.	29, 34, *41	6	11	
12.	Michael J. Mulligan.	*28, 30, 42, 45	5	10, 16, 25	
Marine.	Robert A. Ritchie.	44, *47			

* Headquarters of district chief.

The following property is in charge of the Fire Commissioner:

Houses.

LOCATION.	Number of Feet in Lot.	Assessed Valuation.	Occupied by
Dorchester and Fourth streets.....	8,167	\$25,800	Engine 1 and Ladder House 5 on this lot.
Corner of O and Fourth streets.....	4,000	16,200	Engine 2.
Bristol street and Harrison avenue....	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch street.....	6,098	96,000	Engine 4, Chemical 1 and Tower 1.
Marion street, East Boston.....	1,647	9,000	Engine 5.
Leverett street.....	2,269	40,000	Engine 6.
East street.....	1,893	36,400	Engine 7.
Salem street.....	2,568	24,000	Engine 8.
Paris street, East Boston.....	4,720	29,700	Engine 9 and Ladder 2.
River street.....	1,886	20,000	Engine 10.
Saratoga and Byron sts., East Boston,	10,000	39,500	Engine 11 and Ladder 21.
Dudley street.....	7,320	25,000	Engine 12.
Cabot street.....	4,832	16,000	Engine 13.
Centre street.....	5,713	14,600	Engine 14.
Dorchester avenue.....	2,803	18,600	Engine 15.
Corner River and Temple streets.....	12,736	19,200	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester.....	9,450	17,300	Engine 17 and Ladder House 7 on this lot.
Harvard street, Dorchester.....	9,440	18,800	Engine 18.
Norfolk street, Dorchester.....	7,683	14,200	Engine 19.
Walnut street, Dorchester.....	9,000	17,300	Engine 20 and Ladder 27.
Columbia road, Dorchester.....	10,341	17,100	Engine 21.
Warren avenue.....	7,500	62,500	Engine 22 and Ladder 13.
Northampton street.....	3,445	11,200	Engine 23.
Corner Warren and Quincy streets....	4,186	18,100	Engine 24.
Fort Hill square.....	4,175	100,600	Engine 25, Ladder 8 and Ladder 14.
Mason street.....	5,623	163,000	Engines 26 and 35.
Elm street, Charlestown.....	2,600	18,000	Engine 27.
Centre street, Jamaica Plain.....	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill avenue, Brighton.....	14,358	37,200	Engine 29 and Ladder 11.
Centre street, West Roxbury.....	12,251	25,000	Engine 30 and Ladder 25.
Bunker Hill street, Charlestown.....	8,188	26,200	Engine 32.
Corner Boylston and Hereford streets,	5,646	84,000	Engine 33 and Ladder 15.
Western avenue, Brighton.....	4,637	17,800	Engine 34.
Monument street, Charlestown.....	5,668	21,000	Engine 36 and Ladder 22.
Corner Longwood and Brookline aves.,	5,231	14,300	Engine 37 and Ladder 26.
Congress street.....	4,000	37,000	Engines 38 and 39.

Houses.—Concluded.

LOCATION.	Number of Feet in Lot.	Assessed Valuation.	Occupied by
Sumner street, East Boston.	4,010	\$18,000	Engine 40.
Harvard avenue, near Cambridge street, Brighton.	6,112	25,500	Engine 41 and Chemical 6.
Washington street, at Egleston square, Andrew square.	3,848	22,900	Engine 42 and Chemical 5.
Washington street, corner Poplar street, Roslindale.	5,133	19,600	Engine 43 and Ladder 20.
Dorchester avenue, Ashmont.	14,729	22,400	Engine 45 and Ladder 16.
Church street.	4,875	22,900	Engine 46.
Shawmut avenue.	3,412	23,600	Chemical Engine 2.
Saratoga street, East Boston.	889	4,300	Chemical Engine 4.
B street.	9,300	40,600	Chemical Engine 7.
Eustis street.	1,804	7,800	Chemical Engine 8.
Friend street.	1,790	8,000	Chemical Engine 10.
Dudley street.	1,676	37,200	Ladder 1.
Main street, Charlestown.	3,923	26,000	Ladder 4.
Tremont street.	4,290	16,400	Ladder 9 and Chemical 9.
Harrison avenue.	4,311	25,600	Ladder 12 and Chemical 12.
Pittsburgh street, South Boston.	2,134	23,500	Ladder 17.
Fourth street.	8,964	35,400	Ladder 18 and Tower 3.
Washington street, Dorchester.	3,101	10,700	Ladder 19.
Winthrop street.	6,875	21,400	Ladder 23.
North Grove street.	3,000	13,200	Chemical 3.
	3,918	19,800	Ladder 24.

Assessed Valuation.

Fuel house, Dorchester street, 1,610 feet of land	\$3,100
Fuel house, Salem street, 417 feet of land	4,000
Fuel house, Main street, Charlestown, 2,430 feet of land	7,000
Headquarters Building and repair shop, corner of Albany and Bristol streets, 23,679 feet of land.	185,000
Water Tower No. 2 and wrecking wagon are in Headquarters Building.	
Veterinary Hospital, Atkinson street, 64,442 feet of land	68,300
Fuel house, Washington, near Dover street, 1,007 feet of land	10,500
11,169 feet of land at the corner of Walk Hill and Wenham streets	2,500
7,200 feet of land at the corner of Callender and Lyons streets	1,200
11,500 feet of land adjoining the South Ferry, East Boston, quarters of Engine Company 47	16,300
Building not assessed	

Engine Companies.

STEAM FIRE ENGINES.—Forty-four in service.

FIREBOATS.—Two in service.

HORSE HOSE WAGONS.—Forty-four.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	
1	Dorchester street, near Fourth, South Boston.....	Rebuilt by American Fire Engine Company, 1899.....	April, 1890 1899	8½	5	7	Second size.
2	Fourth st., cor. O, South Boston,	Rebuilt by American Fire Engine Company, 1904.....	1904	8	4½	8	Second size.
3	Harrison ave., corner Bristol st.,	American Fire Engine Company...	1904	9	5½	8	First size.
4	Bulfinch street.....	International Power Company....	Jan., 1907	8½	5	8	First size.
5	Marion street, East Boston....	American Fire Engine Company,	1870	8	4½	8	Second size.
6	Leverett street.....	Rebuilt by Manchester Locomotive Works.....	Nov., 1900	7½	4½	8	Second size.
7	East street.....	Rebuilt by American La France Fire Engine Company, February, 1907.....	Feb., 1893				
8	Salem street.....	American La France Fire Engine Company.....	1907	9	5½	8	First size.
9	Paris street, East Boston.....	Rebuilt by American Fire Engine Company.....	May, 1907 Feb., 1888	9	5½	8	First size.
			Dec., 1901 1886	8	4½	8	Second size.
10	Mt. Vernon st., cor. River st.,	Rebuilt by American Fire Engine Company.....	July, 1903	8	4½	8	Second size.

Engine Companies.—Continued.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	
11	Saratoga street, corner Byron street, East Boston.....	Rebuilt by Manchester Locomotive Company, May, 1905.....	March, 1879 1905	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third size.
12	Dudley street.....	Manchester Locomotive Works, re- built by same company, Novem- ber, 1904.....	March, 1882	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third size.
13	Cabot street.....	Rebuilt by American Fire Engine Company, April, 1899.....	April, 1890 1899	8 $\frac{1}{2}$	5	7	Second size.
14	Centre street.....	Rebuilt by International Power Company, December, 1907.....	1872 1907	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	Second size.
15	Dorchester ave. and Broadway, Temple street, Dorchester....	American Locomotive Works.....	Dec., 1904	8 $\frac{1}{2}$	5	8	First size.
16		Rebuilt at Fire Department repair shop, 1893.....	July, 1872 1893	7 $\frac{5}{8}$	4 $\frac{1}{2}$	8	Second size.
17	Meeting House Hill, Dorchester,	Manchester Locomotive Works, re- built by same company, January, 1906.....	May, 1886 1906	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third size.
18	Harvard street, Dorchester....	Manchester Locomotive Works, re- built by same company, 1905....	Nov., 1890 1905	6 $\frac{1}{2}$	4	8	Fourth size.
19	Norfolk street, Dorchester....	Manchester Locomotive Works....	Feb., 1896	6 $\frac{1}{2}$	4 $\frac{1}{4}$	8	Third size, rebuilt 1909.
20	Walnut street, Dorchester....	Rebuilt by American Fire Engine Company, 1900.....	Aug., 1882 1900	8	4 $\frac{3}{4}$	8	Second size.
21	Columbia road, Dorchester....	Rebuilt by International Power Company, February, 1907.....	Sept., 1870 1907	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	Second size.
22	Warren avenue.....	Manchester Locomotive Works....	Nov., 1896	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	Second size.

23	Northampton street.....	Rebuilt by American Fire Engine Company.....	<i>April, 1890</i> July, 1901 <i>July, 1867</i>	8	4 $\frac{3}{4}$	8	Second size.
24	Warren st., corner Quincy st.,	Rebuilt by American Locomotive Works.....	Nov., 1904	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	Second size.
25	Fort Hill square.....	International Power Company....	Nov., 1909	8 $\frac{1}{2}$	5 $\frac{1}{8}$	8	First size.
26	Mason street.....	International Power Company....	Feb., 1909	8 $\frac{1}{2}$	5 $\frac{1}{8}$	8	First size.
27	Elm street, Charlestown.....	Rebuilt by American Fire Engine Company.....	June, 1902	8	4 $\frac{3}{4}$	8	Second size.
28	Centre street, Jamaica Plain...	Rebuilt at Fire Department repair shop, June, 1904.....	<i>Oct., 1882</i> 1904	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third size.
29	Chestnut Hill avenue, Brighton,	Rebuilt at Fire Department repair shop, July, 1900.....	<i>Dec., 1890</i> 1900	6 $\frac{1}{4}$	4	8	Fourth size.
30	Centre street, West Roxbury...	Manchester Locomotive Works. Rebuilt by International Power Company, February, 1910.....	Nov., 1890	6 $\frac{1}{8}$	4	8	Fourth size.
31	Spare fireboat.....	Clapp & Jones Manufacturing Company.....	{ July, 1889 June, 1907 Nov., 1909 <i>Dec., 1869</i> 1904	16 7 $\frac{1}{2}$ 7 $\frac{1}{2}$ 7 $\frac{1}{2}$ 7 $\frac{1}{2}$	9 4 $\frac{3}{8}$ 4 $\frac{3}{8}$ 4 $\frac{3}{8}$ 4 $\frac{3}{8}$	10 8 8 8 8	{ 2 sets of pumps, } 4,790 gallons. Second size. Second size. Second size.
32	Bunker Hill st., Charlestown,	International Power Company....					
33	Boylston street.....	International Power Company....					
34	Western avenue, Brighton.....	Rebuilt by American Locomotive Company, March, 1904.....					
35	Mason street.....	Manchester Locomotive Works, self-propeller.....	Jan., 1898	9 $\frac{1}{4}$	5 $\frac{3}{4}$	8	Double extra first size.
36	Monument street, Charlestown,	Rebuilt by American Locomotive Works, December, 1904.....	<i>1867</i> 1904	7 $\frac{1}{8}$	4 $\frac{5}{8}$	8	Second size.
37	Longwood avenue.....	Rebuilt by International Power Company, April, 1907.....	March, 1896	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third size.
38	Congress street, South Boston..	Manchester Locomotive Works, self-propeller.....	June, 1897	9 $\frac{1}{2}$	5 $\frac{3}{4}$	8	Double extra first size.
39	Congress street, South Boston..	Manchester Locomotive Works....	June, 1901	8 $\frac{1}{2}$	5	8	First size.
40	Summer street, East Boston....	American Locomotive Works.....	Jan., 1906	8 $\frac{1}{2}$	5	8	First size.
41	Harvard avenue, Brighton.....	International Power Company....	Feb., 1909	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	First size.

Engine Companies.—*Concluded.*

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	
42	Washington street, at Eggleston square.....	Rebuilt by International Power Company, January, 1907.....	March, 1884 1907	6 $\frac{1}{2}$	4 $\frac{1}{4}$	8	Third size.
43	Andrew square, South Boston..	Rebuilt by American Locomotive Company, November, 1904.....	Nov., 1867 1904	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	Second size.
44	Central Wharf (fireboat).....	American Fire Engine Company..	Aug., 1895 {	12 $\frac{3}{4}$ H. P. 18 L. P.	P. 10 }	11	{ 2 sets of pumps, 6,000 gallons.
45	Washington street, cor. Poplar street, Roslindale.....	American Fire Engine Company..	Feb., 1895	7	4 $\frac{3}{8}$	7	Third size.
46	Dorchester avenue, Ashmont...	Rebuilt by Manchester Locomotive Works, November, 1902.....	Nov., 1890 1902	6 $\frac{1}{2}$	4	8	Fourth size.
47	South Ferry, East Boston.....	G. F. Blake Manufacturing Company.....	Aug., 1909	12 H. 22 L.	10	11	{ 2 sets of pumps, 6,000 gallons.

In Reserve.

C	Formerly Engine 21, 11 and Relief C.....	Rebuilt by Manchester Locomotive Works, 1898.....	Nov., 1872 1898	6½	4½	8	Third size.
D	Formerly Engine 7.....	Rebuilt by American La France Fire Engine Company, 1907.....	June, 1895 1907	9	5½	8	First size.
26	" " 26.....	Manchester Locomotive Works.....	July, 1903	8½	5	8	First size.
F	" " 1.....	Rebuilt at Fire Department repair shop, 1893.....	Sept., 1872 1893	7½	4½	8	Second size.
H	Formerly Engine 24 and Relief H.....	Clapp & Jones.....	Feb., 1888	7	4¾	7	Third size.
40	Formerly Engine 40.....	Rebuilt by American Fire Engine Company, 1902.....	1890 1902	8	4¾	8	Second size.
	" " 29.....	Rebuilt at Fire Department repair shop, 1893.....	1874 1893	7¼	4¾	8	Third size.
	" " 5.....	Rebuilt by American Locomotive Company, December, 1905.....	Oct., 1872 1905	7¼	4½	8	Second size.
33	" " 33.....	Manchester Locomotive Works.....	April, 1901	7¾	4¾	8	Third size.

Also five hose wagons.

Chemical Companies.

CHEMICAL ENGINES.—Twelve in service.

Number.	Location.	Builders.	Put in Service.	Capacity.
1.....	Bulfinch street.....	Babcock Mfg. Co.....	Oct., 1890	<i>Gals.</i> 100
2.....	Church street.....	".....	April 25, 1874	160
3.....	Winthrop street, Charlestown.....	Fire Extinguisher Mfg. Co.....	April 29, 1898	70
4.....	Shawmut avenue.....	Rebuilt by Hinman in 1886, re- built at repair shop, B. F. D..		
5.....	Washington street, at Eggleston square.....	Altered by Hinman.....	April, 1906	100
6.....	Harvard ave., near Cambridge st., Brighton..	".....	Sept. 21, 1876	170
7.....	Saratoga street, East Boston.....	".....	May 1, 1876	160
8.....	B street, South Boston.....	".....	Sept. 27, 1886	100
9.....	Main street, Charlestown.....	".....	Oct. 27, 1887	160
10.....	Eustis street.....	".....	July 17, 1889	100
11.....	Carlos street, Dorchester.....	Charles T. Holloway.....	Sept. 13, 1889	100
12.....	Tremont street.....	Babcock Mfg. Co.....	March, 1892	70
			Oct., 1890	100

In Reserve.

A.....	Former Chemical 2.....	Charles T. Holloway.....	.....	100
B.....	Former Chemical 1.....	".....	.....	100
C.....	Former Chemical 12.....	".....	.....	80
D.....	Former Chemical 6.....	Rebuilt by Strangman.....	.....	100
E.....	Former Combination Wagon 2.....	Charles T. Holloway.....	.....	70

LADDER TRUCKS.—Twenty-seven in service, including five extension ladder trucks.

Number.	Location.	Builders.	Put in Service.	Number of Ladders.
1.	Friend street.	Hunneman & Co. Rebuilt by Charles Waugh & Co.	Aug. 24, 1901	12
2.	Paris street, East Boston.	Built by Abbott-Downing Company.	1899	12
3.	Harrison avenue, cor. Bristol street.	" "	June 2, 1886	14
4.	Dudley street, Roxbury.	" "	April 25, 1884	15
5.	Fourth, near Dorchester street.	Hunneman & Co. Rebuilt by Charles Waugh & Co.	Nov. 4, 1902	17
6.	River street, Dorchester.	C. N. Perkins & Co.	Aug., 1905	17
7.	Meeting House Hill.	C. T. Holloway & Co.	July 28, 1898	10
8.	Fort Hill square.	Hunneman & Co. Rebuilt at Fire Department Repair Shop.	1907	14
9.	Main street, Charlestown.	Charles Waugh & Co.	1901	15
10.	Centre street, Jamaica Plain.	Fire Department Repair Shop.	1909	12
11.	Chestnut Hill avenue, Brighton.	American La France Fire Engine Company.	Mar. 18, 1907	14
12.	Tremont street, Roxbury.	Rebuilt by Boston Fire Department.	Jan., 1907	15
13.	Warren avenue.	Fire Department Repair Shop.	Nov., 1906	Extension.
14.	Fort Hill square.	Rebuilt by American La France Fire Engine Co.	June, 1906	Extension.
15.	Boylston street.	" " " "	Nov., 1906	Extension.
16.	Washington, cor. Poplar st., Roslindale.	Fire Department Repair Shop.	Sept., 1888	15
17.	Harrison avenue.	Rebuilt by American La France Fire Engine Co.	June, 1906	Extension.
18.	Pittsburgh street.	International Fire Engine Company.	Oct. 14, 1902	Extension.
19.	Fourth street, South Boston.	Fire Extinguisher Manufacturing Company.	Jan., 1898	8
20.	Andrew square, South Boston.	Charles N. Perkins & Co.	Dec. 30, 1902	8
21.	Saratoga, cor. Byron st., East Boston.	Charles T. Holloway.	Jan., 1898	9
22.	Monument street, Charlestown.	" "	Jan., 1898	9
23.	Washington street, Dorchester.	Fire Extinguisher Manufacturing Company.	Jan., 1898	9
24.	North Grove street.	Charles T. Holloway & Co.	Nov. 8, 1898	9
25.	Centre street, West Roxbury.	" "	Oct., 1901	7
26.	Longwood avenue.	American La France Fire Engine Company.	April 25, 1900	7
27.	Walnut street, Dorchester.	Charles N. Perkins & Co.	Nov., 1908	7
			Nov., 1901	9

In Reserve.

Description.	Builders.
Relief A.....	Fire Department Repair Shop.
Relief B, old 8.....	Fire Department Repair Shop.
Former Ladder 11.....	Hunneman & Co., rebuilt as combination in 1900.
" " 14.....	Fire Extinguisher Manufacturing Company.....
" " 2.....	Abbott & Downing.
" " 8.....	Fire Department Repair Shop.
" " 24.....	Fire Extinguisher Manufacturing Company.
" " 6.....	Hunneman & Co.
	Extension.

Water Towers.

WATER TOWERS.—Three in service.

Number.	Location.	Builders.	Put in Service.
1.....	Bulfinch street.....	Kansas City Fire Department Supply Company.	Dec. 18, 1893
2.....	Bristol street.....	" " " "	May 17, 1890
3.....	Pittsburgh street.....	International Fire Engine Company.....	Nov. 2, 1903

PORTABLE EXTINGUISHERS.—Carried on ladder trucks, hose wagons, chemical engines, water towers, and located in the department houses.

WAGONS.—Thirty-nine for fuel, six for repairs, two for supplies, three for manure and one caravan. Twenty for chief of department and district chiefs (fifteen in service and five in reserve), also one top buggy for superintendent of fire alarms.

PUMPS.—Forty-five: Thirty-nine for carrying hose, two for jobbing and four for fire-alarm branch.

AUTOMOBILES.—Five.

TOOLS AND MACHINERY IN REPAIR SHOP.—In the repair shop one 25-horse power steam engine, cylinder 9 by 31 inches, Putnam Machine Company; one 26-inch by 26-inch iron planer, 8-foot table, 12-foot bed; two 14-inch swing engine lathes, 6-foot bed; one 14-inch swing engine lathe, 10-foot bed; one No. 2 upright drill; four blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine lathe; one 14-inch speed lathe, 5-foot bed; one 14-inch swing patent engine lathe, 5-foot bed; two 25-inch shaping machines; one 68-inch radial drill; one duplex and one Blake pump for feeding boilers; one Knowles triplex pump for testing hose; one patent gooseneck belt drill; two band saws; one circular saw; one electric sewing machine; one hose expanding machine; two boring machines; one buzz planer; one bolt cutter; one combination machine, shears and punch; two fire upsetters; one emery grinder; three upright tubular boilers, 100 horse power; two dynamos for lighting and fire alarm, together with numerous smaller tools and appliances, and also tools for repairing hose and harness, and one power hammer.

NEW APPARATUS PURCHASED DURING THE YEAR.

1	Fireboat.
1	First-size Amoskeag steam fire engine.
1	Second-size Amoskeag steam fire engine.
1	Automobile chemical engine.
1	Wagon, superintendent of fire alarms.
2	Engines rebuilt.
1	Ross runabout.
1	Horse ambulance.
Built at Fire Department repair shop:	
1	Ladder truck.
3	Hose wagons.
1	Combination hose wagon.
2	District chiefs' wagons.
1	Wagon for fire alarm.
1	Ladder truck rebuilt.

Amount of hose purchased and condemned during the year:

	Purchased.	Condemned.
Leading cotton	10,900 feet	6,800 feet
Leading rubber	2,500 "	1,650 "
Chemical	4,000 "	2,400 "
Deck	300 "	—
Rubber suction	—	40 " 8 inches
Flexible suction	200 "	87 " 6 "
	17,900 feet	10,978 feet 2 inches

Amount of hose in use and store February 1, 1910:

	In Use.	In Store.
Leading cotton	99,701 feet	3,600 feet
Leading rubber	8,150 "	600 "
Chemical	12,600 "	1,150 "
Deck	600 "	
Rubber suction	915 "	322 "
Flexible suction	537½ "	162½ "
	122,503½ feet	5,834½ feet

HORSES.

Purchased during the year	69
Sold or exchanged	47
Killed for cause	15
Killed in service	3
Died	4
Number in the department	400

EXPENDITURES FOR THE YEAR.

Salaries to January 27, 1910, inclusive:

Samuel D. Parker, Commis-		
sioner	\$4,986	28
B. F. Underhill, Chief Clerk	2,493	40
John A. Mullen, Chief Engineer, ...	3,988	92
Deputy and district chiefs	27,972	23
Members of the various engine,		
hook and ladder and hose com-		
panies	999,152	70
Clerks in office	5,489	60
Pensioners	97,987	10
		\$1,142,070 23
Less amount deducted for cloth		3,838 52
		\$1,138,231 71

Horses:

Hay, grain and straw	\$51,409	94
Shoeing	18,807	74
Purchase and exchange of	15,543	67
Attendants at hospital, med-		
icines, etc.	8,105	62
Harnesses and repairs	3,073	39
Horse hire	567	00
		97,507 36

Repairs of apparatus, including stock sent to repair shop:

Mechanics	\$38,185	54
Materials, etc.	27,380	17
		65,565 71

Fuel for houses and engines	37,775	00
Tools and supplies	13,310	67
Repairs and alterations of houses	18,611	61

New apparatus:

2 engines	\$9,880	00
1 automobile chemical and hose		
wagon	5,380	20
1 Ross runabout	2,014	21
1 horse ambulance	550	00
24 extinguishers	483	00
		18,307 41
Hose, pipes and repairs		14,897 19
Electric lighting		9,841 47
Furniture and bedding	\$8,036	43
Washing	1,088	10
		9,124 53

Carried forward \$1,423,172 66

FIRE DEPARTMENT.

21

<i>Brought forward</i>	\$1,423,172 66
Rents	7,813 50
Printing	1,650 93
Medical services	1,815 36
Gas	1,694 16
Chemicals	807 06
Stationery	580 51
Hats, badges, buttons and belts	1,155 39
Janitress at headquarters	602 40
Ice	480 92
Traveling expenses	145 28
Rent of gas regulators	71 25
Reservoirs and hydrants	38 49
Freights and small items	89 24
Expenses of detailed men	189 49
Advertising	26 30
Cloth	4,670 44
Medical supplies	14 14
Postage	74 00
Expert services on power and heating system, repair shop	100 00
Paid for improvement in buildings on land trans- ferred from Street Department	739 21
	\$1,445,930 73

Fire-alarm telegraph:

Salaries: Brown S. Flanders, superintendent	\$3,190 72
Operators, repairers, etc.	43,911 29

\$47,102 01

Less amount deducted for cloth, 27 73

\$47,074 28

Repairs	1,861 06
Instruments, tools and repairs	3,487 47
Wire, cables and conduits	11,757 24
Electric power	154 28
Telephone service	979 17
Use of duct in East Boston tunnel	450 36
Car fares and traveling expenses	183 09
Maps and plans	149 30
Electric light for clocks	281 56
Repairing clocks	33 85

66,411 66

\$1,512,342 39

New Fireboat No. 47.

Balance of payments:

Contractors, Bertelsen & Petersen Engineering Company	\$34,297 68
Two fire pumps	12,158 50
Hose pipes, nozzles, etc.	8,849 35
Architect, William T. Keough	1,018 36
Inspection	490 50
Engineer's services and small items	99 88
Electrical work	23 00
	<u>\$56,937 27</u>

Total cost, \$92,625.01.

Landing for Fireboat and Quarters for Men.

Payments:

Contractor on storehouse, Martin Flynn	\$6,676 70
Contractor on wharf and pier, George T. Rendle, ...	3,600 00
Architect, C. J. Bateman	333 84
Engineering and inspection	126 00
Advertising	43 97
Typewriting	20 00
Total cost	<u>\$10,800 51</u>

New Fireboat.

Payments on account:

Printing	\$119 84
Advertising	4 40
	<u>\$124 24</u>

House, Land and Apparatus, Forest Hills.

Continuation of payments:

Contractor on building, Martin Flynn	\$6,608 75
Site	3,938 55
Contractor on retaining wall, Coughlan & Sheils Company	3,325 00
Architects, Moller & Smith	523 20
Engineering and inspection	180 00
Advertising	80 24
Printing	74 63
	<u>\$14,730 37</u>

INCOME.

Permits for sale of explosives	\$1 50
Fines from boys for giving false alarms	25 00
Sale of metallic badges	25 62
Sale of celluloid badges	44 00
Sale of manure	237 00
Fireworks licenses	925 00
Sale of old material	1,412 49
Bath Department, steam for Dover Street Bath House	5,747 19
	<u>\$8,417 80</u>

Months.	ALARMS RECEIVED.						LOSS.		INSURANCE.		ALARMS.				BUILDINGS.										
	Members.	Police.	Citizens.	Telephone.	Automatic.	Unknown.	Total.	Buildings.	Contents.	Buildings.	Contents.	TELEGRAPH.		FIRE.		Needless.	Fire.	Extended to Others.	Not in Building.	Out of City.	Damage, None.		Damage, Slight.	Damage, Considerable.	Totally Destroyed.
												False.	Needless.	Fire.	Needless.										
																					False.	Needless.				Fire.	Needless.
1909.	8	16	174	40	13	7	258	\$45,937	\$87,743	\$1,940,311	\$620,339	113	7	17	96	25	176	3	29	1			69	106	8
February...	14	17	243	63	9	5	351	54,564	104,143	1,985,371	775,791	171	6	14	134	26	212	4	85	4	82	133	9	..	
March.....	4	22	247	57	2	13	345	35,265	89,080	1,204,955	445,100	166	15	8	141	15	184	...	121	2	83	97	4	..	
April.....	10	24	203	25	6	8	276	41,639	101,509	1,485,596	407,497	143	10	7	92	24	184	3	46	2	78	105	7	..	
May.....	12	32	268	51	15	10	388	51,140	117,646	2,940,515	693,850	198	11	13	139	27	245	6	84	2	110	139	13	..	
June.....	13	22	335	66	12	16	464	31,894	24,407	1,600,616	200,117	222	17	14	189	22	276	7	116	12	147	136	9	1	
July.....	9	12	210	42	16	7	296	33,169	17,536	979,304	189,450	133	7	15	120	21	163	2	87	2	86	81	7	..	
August.....	4	14	146	12	12	8	196	19,387	15,776	830,772	86,537	95	8	18	55	20	122	2	22	4	55	68	4	..	
September..	7	12	191	40	6	7	263	224,155	126,215	2,993,884	1,110,550	126	8	12	90	27	172	3	39	2	183	88	6	2	
October.....	8	28	186	37	18	12	289	40,756	71,450	1,152,135	305,834	123	12	12	107	35	178	8	44	3	92	90	9	..	
November...	12	13	233	76	14	11	359	66,070	74,729	2,613,070	790,900	141	11	14	153	40	230	6	60	1	139	91	11	1	
December...																									
1910.																									
January.....	4	12	203	54	12	8	293	152,751	53,284	1,604,374	315,069	136	8	19	99	31	217	4	16	4	120	101	3	1	
Totals...	105	224	2,639	563	135	112	3,787	\$796,727	\$883,518	\$21,330,903	\$5,941,034	1,767	120	163	1,416	313	2,359	48	749	39	1,244	1,235	90	5	

CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1909 TO FEBRUARY 1, 1910.

Alarms, unauthorized, for same fire.....	8	Light, smoke, mistaken for fire.....	42
Alarms, accidental, automatic.....	93	Matches and rats.....	25
Alarms, false bell and still..	148	Matches and children.....	93
Alarms out of city.....	39	Matches, careless use of....	255
Ashes, hot, in wooden receptacle.....	48	Meat burning on stove, in oven.....	21
Automobiles, igniting of....	40	Naphtha, gasolene, benzine, turpentine, etc., careless use of and ignition.....	32
Boiling over of fat, tar, etc..	57	Oil stove, careless use of, and explosion.....	33
Bonfires, grass, rubbish, etc.,	322	Overheated boiler or steam pipe.....	15
Careless use of lamp, candle, lantern.....	78	Overheated stove or furnace, plastering, drying.....	69
Careless use of pipe, cigar, cigarette.....	102	Plumber's, roofer's, painter's stove or torch.....	14
Chimneys, soot burning....	168	Rescues, elevators, miscellaneous.....	26
Chimneys, defective.....	42	Rekindling of ruins.....	16
Clothes too near stove.....	30	Set by boys.....	4
Defective flue.....	15	Slacking of lime.....	201
Defective stovepipe.....	13	Smoky chimneys.....	10
Defective furnace, stove, boiler.....	5	Smoky lamp.....	55
Defective gas pipe.....	3	Smoky stove or furnace....	4
Defective fireplace.....	2	Sparks from another fire....	104
Electric motor igniting car..	14	Sparks from boiler.....	4
Electric wires, motor.....	72	Sparks from chimney.....	9
Explosion and ignition of chemicals.....	6	Sparks from engine or locomotive.....	53
Fireworks.....	52	Sparks from forge.....	114
Friction, picking machines, shafting.....	17	Sparks from furnace or stove,	11
Fumigating.....	6	Sparks from open grate....	2
Gas, escaping and explosion,	16	Sparks from steam roller....	1
Gas jet setting fire.....	55	Spontaneous combustion....	34
Gas stove, careless use of and explosion.....	34	Steam escaping.....	29
Grease, igniting in ventilator, oven.....	20	Street fight — family brawl,	2
Kerosene, careless use lighting fire.....	6	Suicide, attempted by igniting clothing.....	1
Lightning.....	3	Unknown.....	776
Incendiary.....	31	Water pipes, thawing out...	25
Incendiary, supposed.....	27	Water back, bursting.....	6
Lamp, explosion of.....	54	Wood in oven igniting.....	4
Lamp, upsetting and breaking.....	59	Total.....	3,784

1909-10.	FIRES EXTINGUISHED BY							
	Extinguishers.	Buckets of Water.	Chemical Engines.	Hydrant Stream.	Steamer.	Miscellaneous.	Citizens.	Sprinklers.
1909.								
February	51	17	44	6	29	28	33	.....
March	62	26	55	22	44	55	36	1
April	60	33	47	29	29	81	26	.....
May	62	43	42	14	31	12	28	1
June	79	38	72	30	45	25	46	.....
July	113	47	67	37	46	32	56	1
August	56	35	48	28	30	21	34	.....
September	35	22	16	10	18	17	26	2
October	47	35	38	16	27	16	35	.....
November	66	25	43	14	25	19	35	.....
December	86	39	38	16	34	51	28	1
1910.								
January	64	26	39	6	31	22	43	.....
Totals	781	386	549	228	389	379	426	6

BOX ALARMS BY DISTRICTS.
FEBRUARY 1, 1909, TO FEBRUARY 1, 1910.

District.	District Chief.	ALARMS, 1908-09.					ALARMS, 1909-10.						
		First.	Second.	Third.	Fourth.	Fifth.	Totals.	First.	Second.	Third.	Fourth.	Fifth.	Totals.
1. East Boston.....	Godbold.....	208	5	2	2	1	218	196	1	.....	.....	.....	197
2. Charlestown.....	Pope.....	140	7	2	.....	.....	149	112	4	.....	.....	.....	116
3. North End and City Proper.....	Garrity.....	189	8	6	.....	.....	203	56	8	2	.....	.....	66
4. West End and City Proper.....	Fox.....	255	3	1	.....	.....	259	366	6	1	.....	.....	373
5. City Proper and South Boston.....	Sennott.....	84	2	.....	.....	.....	86	89	.....	.....	.....	.....	89
6. South Boston.....	Perkins.....	176	7	2	.....	.....	185	199	2	.....	.....	.....	201
7. South End and Back Bay.....	Byron.....	284	4	6	3	.....	297	285	6	2	1	.....	294
8. Roxbury and Back Bay.....	Ryder.....	219	1	1	1	.....	222	202	.....	1	.....	.....	203
9. Roxbury and Dorchester.....	Kennedy.....	229	3	.....	.....	.....	232	183	1	.....	.....	.....	184
10. Dorchester.....	Taber.....	249	3	1	.....	.....	253	216	3	.....	.....	.....	219
11. Brighton.....	Ryan.....	70	.....	.....	.....	.....	70	70	.....	.....	.....	.....	70
12. West Roxbury.....	Mulligan.....	107	3	1	.....	.....	111	88	1	.....	.....	.....	89
Totals.....	.....	2,210	46	22	6	1	2,285	2,062	32	6	1	.....	2,101

FIRE LOSSES FOR THE YEAR ENDING JANUARY 31, 1910.

Buildings	\$796,727 00
Contents	883,518 00
Total	<u>\$1,680,245 00</u>

FIRES WHERE LOSS EXCEEDED \$15,000.

DATE.	Location and Owner.	Loss.
1909.		
Feb. 4	90-92 South street, P. Rielly & Sons <i>et al.</i>	\$23,274 03
Feb. 25	95-97 Bedford street, Devort & Co. <i>et al.</i>	16,066 09
March 6	347-349 Congress street, Columbia Counter Company <i>et al.</i>	15,502 66
March 8	Atlantic avenue, Publishers' Printing Company <i>et al.</i>	21,192 72
April 6	160 Tremont street, T. E. Moseley & Co. <i>et al.</i>	26,049 02
April 17	82-85 Union street, Bell & Brown <i>et al.</i>	29,659 17
May 6	Rear 49-53 Miller street, W. H. Breen <i>et al.</i>	33,227 23
May 10	Off Marginal street, National Dock and Warehouse Company <i>et al.</i>	32,118 71
May 31	243-245 South street, J. T. Connor <i>et al.</i>	24,254 60
June 2	69-71 South Market street, S. L. Clark <i>et al.</i>	30,822 96
June 18	Rear 48-54 Dorchester avenue, Wilson Tisdale & Co. <i>et al.</i>	22,457 87
June 26	81-83 Franklin street, Metropolitan News Company <i>et al.</i>	16,403 03
Oct. 20	150 Beacon street, residence Gov. Eben S. Draper <i>et al.</i>	301,529 92
Nov. 10	69-75 Chauncy street, Columbia Manufacturing Company <i>et al.</i>	31,934 39
Dec. 17	Hamilton court, Charlestown, J. H. Whiton & Co. <i>et al.</i>	20,354 50
Dec. 18	Hospital Dock, off Lewis street, City of Boston ferryboat	35,073 39
Dec. 23	2-3 Bath street, C. W. Sanborn <i>et al.</i>	21,679 83
1910.		
Jan. 13	Boston Young Men's Christian Association <i>et al.</i>	135,988 00

YEARLY LOSS FOR THE PAST FIFTEEN YEARS.

Year ending February 1, 1896	\$1,040,486
“ “ 1, 1897	1,394,707
“ “ 1, 1898	775,525
“ “ 1, 1899	1,441,261
“ “ 1, 1900	1,630,149
“ “ 1, 1901	1,702,217
“ “ 1, 1902	1,830,719
“ “ 1, 1903	1,762,619
“ “ 1, 1904	1,674,333
“ “ 1, 1905	2,473,980
“ “ 1, 1906	2,130,146
“ “ 1, 1907	1,130,334
“ “ 1, 1908	2,268,074
“ “ 1, 1909	3,610,000
“ “ 1, 1910	1,680,245

ALARMS FOR THE PAST TEN YEARS.

YEAR.	Bell.	Still and Automatic.	Totals.
1909.....	2,101	1,677	3,778
1908.....	2,210	1,700	3,910
1907.....	2,441	1,600	4,041
1906.....	1,687	1,262	2,949
1905.....	1,905	1,210	3,115
1904.....	1,580	1,159	2,739
1903.....	1,633	1,121	2,754
1902.....	1,566	1,099	2,665
1901.....	1,349	977	2,326
1900.....	1,351	1,143	2,498

FIRE-ALARM BRANCH.

From February 1, 1909, to February 1, 1910, there were 2,062 first alarms, 32 second, 6 third and 1 fourth alarm, making a total of 2,101 box alarms struck during the year. Eight of the first alarms were for fires for which a previous first alarm had been given from another box, making practically 2,054 first and 40 second alarm movements of apparatus.

To give these alarms and the "all-out" signals to the department, together with the meridian blow, school signals, etc., there were 18,735,403 blows struck by the apparatus (117 tappers, 125 gongs and bells) connected into the striking circuits.

For 146 alarms the same box was received two or more times, and for 169 alarms one or more adjacent boxes were received, a total of 315 not struck as they were for the same fire.

No alarm has been received from 281 boxes of the system during the year, while 20 or more have been given from 6 different boxes, the highest number being from Box 705, from which 37 alarms were received.

Eighteen hundred and sixty-three reports for fire have been received by telephone. Of these 151 were for automatic alarms, viz.: One hundred and twenty from the Boston Automatic Fire Alarm Company, 24 from the American District Telegraph Company and 2 from private sources. One thousand and eighty-two reports were sent in by department companies. For 130 of these reports box alarms were received and struck, 57 of them being on telephone reports and 73 on reports received from department houses. The result of these reports, not including those for which box alarms were struck, was —

Boston automatic alarms	109
A. D. T. automatic alarms	24
Local automatic alarms	2
Still alarms	1,595

making a total of 1,730 still and automatic alarms and a grand total of 3,831 box, still and automatic alarms for the year.

There are 728 signal boxes in service connected into 44 circuits. Seven thousand one hundred and ninety-two inspections and tests of the same have been made during the year.

While the record of alarms covered by this report has been exceeded in two previous years, the foregoing details will show that this year has been a busy one and one successful in results.

CONSTRUCTION DIVISION.

Underground construction has been completed within the district prescribed by the Commissioner of Wires for 1909 by laying cable on Blue Hill avenue, from Dudley to Washington street.

Some work had been done previously in the prescribed district on Blue Hill avenue as far as Waverly street. Underground construction has also been extended on Wayne street outside the limit of the district. On account of new circuits proposed to be built in Brighton, and in order to make a better distribution of circuit connections with the boxes in Back Bay, underground cable has been placed to take the place of overhead wires forming a part of the present Brighton circuits. Cables have been laid in Tremont street, from Waltham to West Newton street; on West Newton street to Huntington avenue; on Massachusetts avenue, from Norway to Beacon street, and on Commonwealth avenue, from Cottage Farm to Allston. On Lewis street, East Boston, a new cable with greater capacity of conductors was laid for connection with the station of the new fireboat, designated Engine No. 47, replacing a smaller cable formerly running to the South Ferry.

The circuit to Brookline has been rebuilt by using a twin wire underground cable running from Boston Engine House 37 to Brookline Engine House 1. A sixty-one conductor cable has been laid from Oak to Harvard street to replace one condemned and removed on account of its defective condition.

In order to remove some open wires in Dorchester which were liable to damage on account of local conditions, overhead cables have been run on East street, from Dorchester avenue to the house of Engine 17, and on Harvard street to Engine 18.

A considerable amount of underground construction has been done, and cable used for connection with new lamp-post boxes during the year, viz.: On Dartmouth street for Box 84; on Cedar street, Roxbury, for Box 250, and on Poplar street, West Roxbury, for Box 575. The removal of Box 39 from the house of

Engine 26 in Mason street to a position on Tremont street, opposite Mason, required a cable to be laid from the engine house through Mason street to the lamp-post on which the box was placed.

Testing facilities for the maintenance of proper circuit conditions have been greatly improved by the installation of switches designed for the purpose in various department houses. All the houses in Dorchester, several in West Roxbury, Brighton and other parts of the city have been so equipped and it is intended to extend the system throughout the department. By the use of these switches the location of grounds and breaks can be determined at once, and, in case of breaks, more or less of the circuit affected is held in commission pending the time required for repairs to be made. This is an important improvement in the service and has proved its worth many times since it was adopted, notably after the storm of December 26, which caused such serious damage to all overhead wires. The station of Engine 47 has been wired and equipped for electric lighting, and extensive alterations and repairs in other houses of the department have caused much work of this character to be done during the year.

In addition to the suburban service previously established and in operation for Dedham, Brookline and Newton arrangements have been made whereby assistance can be given to Cambridge, Milton, Hyde Park, Revere and Winthrop. For these places certain numbers have been selected, representing maginary fire-alarm boxes, which are to be struck on the tappers and gongs in the Boston department houses when information is received at headquarters by telephone that aid is required. A regular assignment has been arranged to govern the response of the Boston apparatus to such calls, and, in the event of a serious fire in any of these places, assistance can be rendered promptly on receipt of information that it is wanted.

Three numbers have been assigned to Cambridge, each covering a definite district, two to Milton and one each to the other places. The use of telephones to make this service effective is necessary, as no connection other than this has been established to the fire-alarm headquarters.

SUMMARY OF CONSTRUCTION WORK.

New wire used	90,420	feet.
Old wire taken down	85,390	"
Overhead cable put up	26,069	"
Overhead cable taken down	1,390	"
Conductors in cable put up	185,898	"
Conductors in cable taken down	5,900	"
Underground cable used in ducts owned by New England Telephone and Telegraph Company	22,719	"
Same used in fire-alarm ducts, service connec- tions, etc. (new construction)	1,485	"
Total underground cable used (new con- struction)	24,204	"
Conductors in same	284,475	"
Cable used for repairs	8,138	"
Conductors in same	41,772	"
Total underground cable in use	345,550	"
Conductors in same	7,586,058	"
Conduit built by this department	1,096	"
Total conduit owned by city	29,698	"
Ducts laid	1,348	"
Total ducts owned by city	37,581	"
Manholes built		1
Boxes built over		39
Auxiliary boxes built over		2
New public boxes put in service		7
New lamp-post boxes		2
New schoolhouse boxes		7
New auxiliary boxes		2
Private boxes built over		6
Schoolhouses built over		46
Total number boxes built over		93
New private boxes		1
Total boxes added to service		19
Schoolhouse boxes equipped with keyless doors		32
Boxes placed on lamp-posts		4
Lamp-posts set		7
Lamp-posts reset for cause		4
Crossarms used		309
Boxes now in service		728

The following boxes are private property: 113, 115, 117, 119, 149, 152, 161, 163, 166, 212, 228, 244, 271, 279, 283, 297, 299, 328, 342, 429, 433, 434, 442, 443, 448, 449, 466, 467, 468, 475, 495, 511, 533, 616, 617, 619, 626, 629, 653, 698, 711, 714, 715, 716, 718, 719, 720, 722, 724, 725, 726, 727, 728, 729, 730, 731, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 755, 758, 759, 762, 766,

767, 773, 776, 778, 779, 781, 782, 788, 789, 791, 792, 793, 794, 795, 798, 828, 838, 842, 864, 865, 875, 919, 927, 967, 969, 971, 974, 2236.

ALARM BELLS.

The fire-alarm telegraph is connected with the following bell:

Faneuil Hall, steel, 5,816 pounds, owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

Berkeley Temple, composition, 2,941 pounds. Formerly used on Quincy Schoolhouse.

City Hall, Charlestown, composition, 3,600 pounds.

Engine House No. 1, Dorchester street, South Boston, composition, 2,911 pounds.

Engine House No. 16, Temple street, Dorchester, composition, 4,149 pounds.

Engine House No. 17, Meeting House Hill, Dorchester, composition, 4,000 pounds.

Engine House No. 18, Harvard street, Dorchester, composition, 3,184 pounds.

Engine House No. 19, Mattapan, Dorchester, composition, 2,927 pounds.

Engine House No. 20, Walnut street, Dorchester, composition, 3,061 pounds.

Engine House No. 21, Columbia road, Dorchester, composition, 3,026 pounds.

Engine House No. 28, West Roxbury, composition, 4,000 pounds.

Engine House No. 29, Brighton, composition, 1,535 pounds.

Old Engine House No. 30, West Roxbury, steel, 1,000 pounds.

Engine House No. 34, Brighton, composition, 1,501 pounds.

Engine House No. 41, Allston, composition, 800 pounds.

Engine House No. 45, Roslindale, composition, 1,059 pounds.

Ladder House No. 4, Dudley street, Roxbury, composition, 3,509 pounds.

Saratoga Street M. E. Church, East Boston, steel, 1,968 pounds.

Trinity Church, Trenton street, East Boston, composition, 1,760 pounds. Formerly used on Castle Street Church.

Van Nostrand's Brewery, Charlestown, composition, 818 pounds. Formerly used on Old Franklin Schoolhouse.

Bells formerly in service, located on schoolhouses, have been turned over to the Schoolhouse Department.

PUBLIC CLOCKS.

The following public clocks are cared for by this department:

City Proper.

Charles Street Church.

Christ Church, Salem street, owned by city.

Commercial Wharf.

Odd Fellow's Hall, Tremont street, owned by city.

Old South Church, owned by city.

Old State House, owned by city.

Suffolk County Jail, owned by city.

St. Stephen's Church, Clark street, owned by city.

Shawmut Avenue Church.

Tremont M. E Church, owned by city.

Young Men's Christian Union, owned by city.

South Boston.

Gaston Schoolhouse, owned by city.

Lincoln Schoolhouse, owned by city.

Phillips Church, owned by city.

St. Augustine's Church, Dorchester street, owned by city.

East Boston.

London Street Church, owned by city.

Lyceum Hall, owned by city.

Trinity Church, owned by city.

Orient Heights Church, owned by city.

Roxbury.

Winthrop Street Church, owned by city.

Boston Elevated Railway car house, Columbus avenue, owned by city.

Dorchester.

Baker Memorial (Upham's Corner), owned by city.

Neponset Church.

Tileston School (Mattapan), owned by city.

Unitarian Church (Milton Lower Mills).

Charlestown.

St. Francis de Sales Church.

City Hall, owned by city.

West Roxbury.

Dr. Strong's Church (South Evangelical), owned by
city.

Unitarian Church, Jamaica Plain, owned by city.

Congregational Church (Roslindale), owned by city.

Brighton.

Bennett Schoolhouse, owned by city.

BOSTON FIREMEN'S RELIEF FUND.

FROM FEBRUARY 1 TO NOVEMBER 30, 1909, INCLUSIVE.

The Fire Commissioner, as treasurer of the Boston Firemen's Relief Fund, acknowledges the following contributions; these sums were accompanied by letters expressing appreciation for services rendered by the department:

DATE.	Name of Donor.	Amount.
1909.		
March 15.....	Roland C. and Aliee N. Lincoln.....	\$200 00
April.....	Mrs. J. M. B. Churchill.....	2 00
April 22.....	T. E. Moseley Company.....	100 00
May 9.....	Annie F. Hudson.....	5 00
July 6.....	Frank Seiberlich.....	100 00
Oct. 15.....	Gov. Eben S. Draper.....	100 00
		\$507 00

The receipts from the annual department ball and contributions constitute the fund from which sick benefits and doctors' bills are paid. Destitute members of deceased firemen's families are also given assistance from this fund.

FINANCIAL STATEMENT OF THE BOSTON FIREMEN'S
RELIEF FUND FEBRUARY 1, 1909, TO NOVEMBER
30, 1909, INCLUSIVE.

(The Mayor and Fire Commissioner, Trustees.)

Receipts.

Balance, February 1, 1909	\$3,994 93
Net proceeds of ball, February 17, 1909, ...	13,961 02
Interest on bonds	5,037 50
Interest on deposits	104 46

Carried forward \$23,097 91

FIRE DEPARTMENT.

39

<i>Brought forward</i>	.	.	.	.	\$23,097 91	
Donations	.	.	.	.	507 00	
Total receipts	.	.	.	.		\$23,604 91

Expenditures.

Benefits paid	.	.	.	.	\$8,808 79	
Auditor's services	.	.	.	.	50 00	
Rent of box, International Trust Com-						
pany	.	.	.	.	10 00	
Printing and stationery	.	.	.	.	39 70	
B. F. Underhill, salary as secretary	.	.	.	.	100 00	
City of Boston bond	.	.	.	.	7,879 66	
						16,888 15
Balance December 1, 1909	.	.	.	.	\$6,716 76	

On December 1, 1909, all books, papers, securities and cash on hand were transferred to the corporation known as "The Boston Firemen's Relief Fund" as provided by chapter 308 of the Acts of 1909 of the General Court of Massachusetts.

Respectfully submitted,

SAMUEL D. PARKER,
Commissioner.

